

ABSTRACT

Compounds represented by the general formula (I), pharmaceutically acceptable salts thereof, or prodrugs of the compounds or their salts:

$$\begin{array}{c|c}
X^1 & OR^a \\
\hline
H & H \\
\hline
H & H \\
\hline
X^2
\end{array}$$

[wherein X^1 and X^2 represent independently a hydrogen atom or a group represented by the general formula (II) $-Ar-A-R^1$ (II)

 R^a represents a hydrogen atom or a protective group of a hydroxyl group, R^b and R^c , when taken together with the carbon atom in 3-position to which they are bound,

represent an optionally protected -(C=O)-, and the dashed line in combination with the solid line represents the formation of a single bond or a double bond;

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in addition, Ar represents a single bond or an aromatic hydrocarbon group, A represents a methylene group or -O-, R¹ represents an optionally substituted alkyl group, an optionally substituted alkenyl group or an optionally substituted alkynvl group:

provided that X^1 and X^2 are not a hydrogen atom at the same time], as well as substances that act as antagonist against but not as agonist for the androgen receptor,



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pharmaceutically acceptable salts thereof, or prodrugs of the substances or their salts are useful as antiandrogenic agents and may be used as preventives or therapeutics of a disease selected from prostate cancer, prostatomegaly, male pattern alopecia, sexual prematurity, acne vulgaris, seborrhea and hursutism.